APPARATUS, SYSTEM, AND METHOD FOR
ON-DEMAND CONTROL OF GRID SYSTEM RESOURCES

ABSTRACT OF THE DISCLOSURE

An apparatus, system, and method are disclosed for on-demand control of a grid system resource on a grid computing system. An on-demand management apparatus includes a user input module, a parameter module, and a reservation module. The user input module is configured to allow a user to input a parameter control request. The parameter control request corresponds to a performance parameter of the grid computing system. The global parameter module is configured to dynamically change the performance parameter, which corresponds to a performance resource, according to the parameter control request. The global reservation module is configured to reserve the performance resource for a grid computing operation. The on-demand management apparatus is also configured to terminate a performance resource reservation when a client reclaims the performance resources from the grid computing system.